

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P270942

Luminaire Tested: **NVN-AF-03-LED-U-T2R-7027-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P270942  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24459)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-AF-03-LED-U-T2R-7027-600  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10866 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

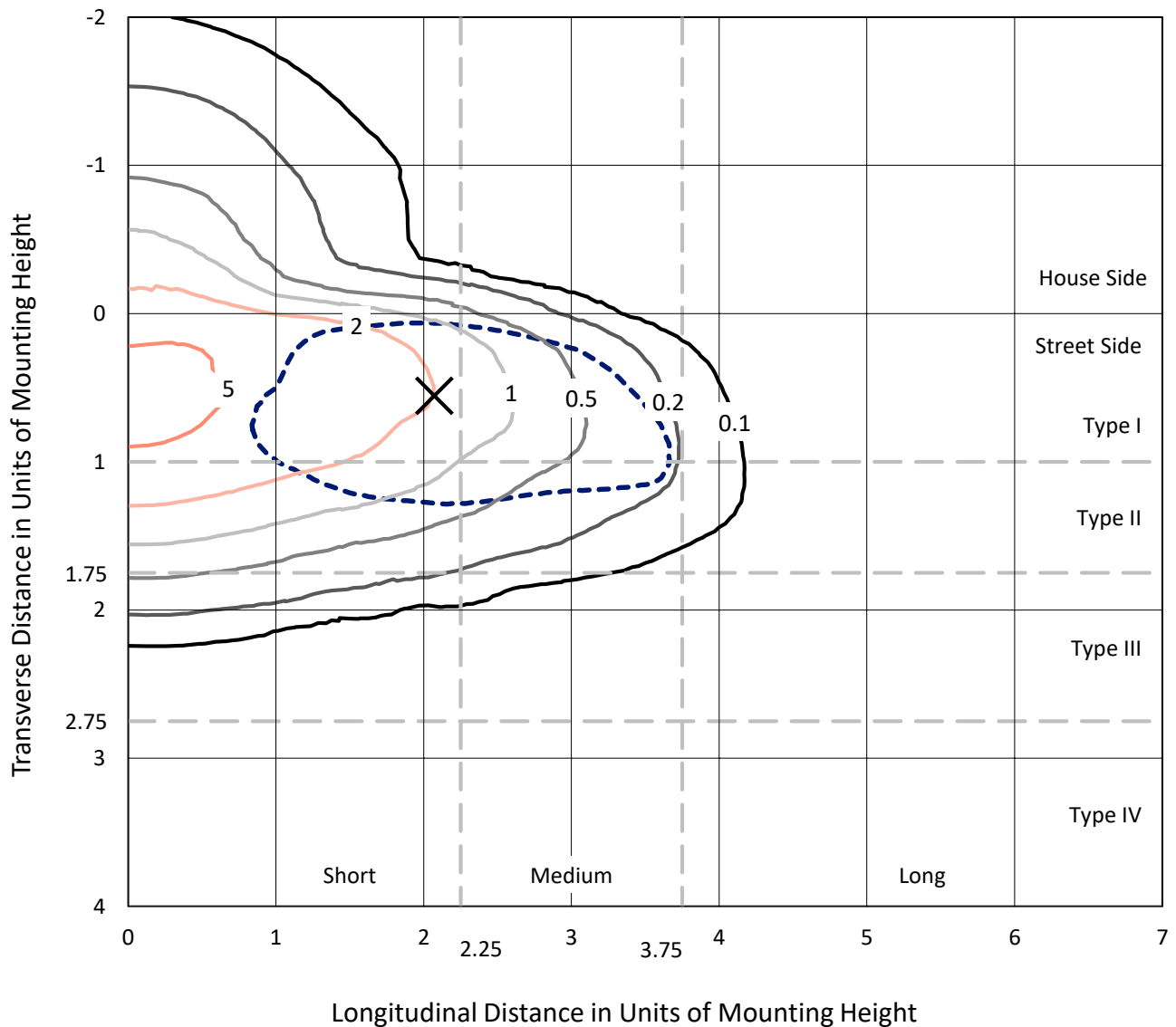
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

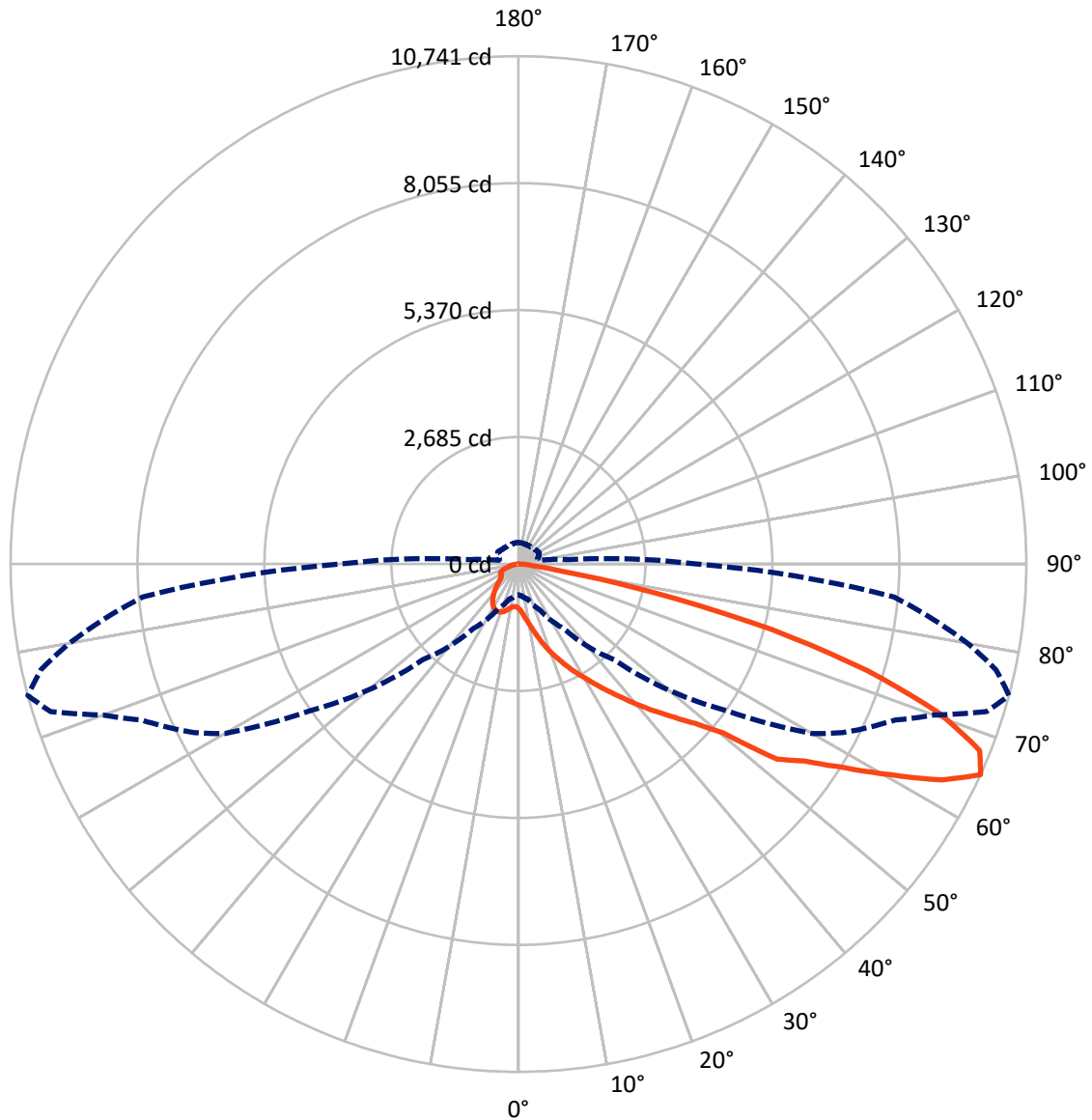
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1632.8   | 0.0    | 1632.8  |
|                    | % Fixture | 15.0     | 0.0    | 15.0    |
| <b>Street Side</b> | Lumens    | 9233.2   | 0.0    | 9233.2  |
|                    | % Fixture | 85.0     | 0.0    | 85.0    |
| <b>Total</b>       | Lumens    | 10866.0  | 0.0    | 10866.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 111.1   | 1.0       |
| 10°-20°   | 424.5   | 3.9       |
| 20°-30°   | 856.7   | 7.9       |
| 30°-40°   | 1455.0  | 13.4      |
| 40°-50°   | 2029.3  | 18.7      |
| 50°-60°   | 2487.2  | 22.9      |
| 60°-70°   | 2340.1  | 21.5      |
| 70°-80°   | 1026.1  | 9.4       |
| 80°-90°   | 135.8   | 1.2       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 10866.0 | 100.0     |
| 0°-180°   | 10866.0 | 100.0     |

**Coefficient of Utilization**



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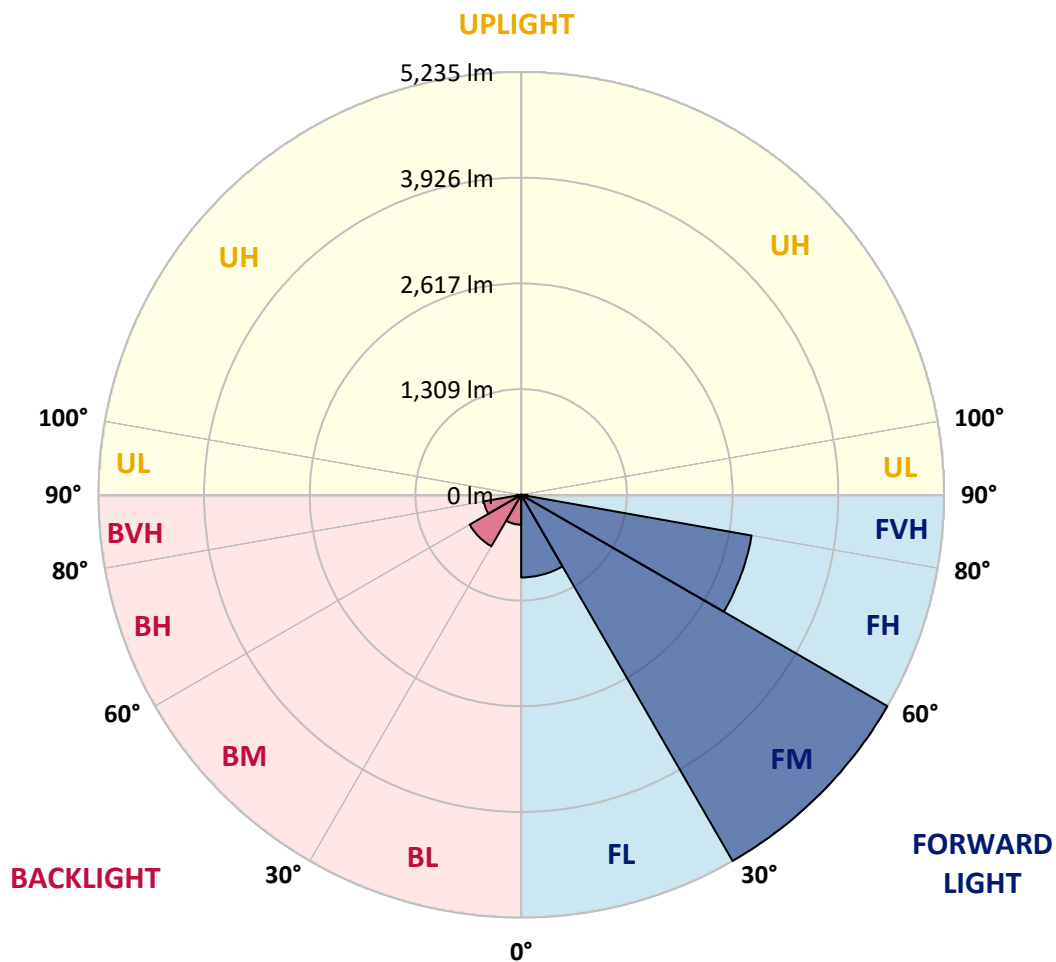
CATALOG NUMBER: NVN-AF-03-LED-U-T2R-7027-600

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1022.8 | 9.4       |                         |      |         |
| FM (30°-60°)   | 5234.7 | 48.2      |                         |      |         |
| FH (60°-80°)   | 2897.0 | 26.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 78.7   | 0.7       |                         |      | G1/100  |
| BL (0°-30°)    | 369.6  | 3.4       | B1/500                  |      |         |
| BM (30°-60°)   | 736.8  | 6.8       | B1/1000                 |      |         |
| BH (60°-80°)   | 469.3  | 4.3       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 57.1   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 57.5°  | 60°    | 62.5°  | 65°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  |
| 2.5°  | 1185.5 | 1171.7 | 1173.0 | 1153.7 | 1125.3 | 1094.2 | 1068.7 | 1054.8 | 1043.1 | 1039.6 | 1020.3 |
| 5°    | 1550.5 | 1533.1 | 1526.9 | 1482.7 | 1416.4 | 1337.5 | 1259.5 | 1229.1 | 1204.2 | 1188.9 | 1151.5 |
| 7.5°  | 1849.2 | 1840.1 | 1831.9 | 1791.0 | 1725.4 | 1624.5 | 1498.6 | 1453.6 | 1412.2 | 1366.6 | 1321.6 |
| 10°   | 2052.3 | 2048.9 | 2045.4 | 2017.1 | 1962.4 | 1874.7 | 1739.2 | 1690.2 | 1638.2 | 1580.2 | 1521.4 |
| 12.5° | 2205.8 | 2205.8 | 2208.6 | 2184.9 | 2151.8 | 2084.1 | 1961.1 | 1915.5 | 1862.8 | 1802.1 | 1735.0 |
| 15°   | 2308.7 | 2311.5 | 2326.0 | 2333.0 | 2315.7 | 2272.2 | 2164.2 | 2124.2 | 2074.5 | 2014.3 | 1948.0 |
| 17.5° | 2377.2 | 2382.8 | 2404.1 | 2427.0 | 2449.0 | 2433.9 | 2353.6 | 2316.4 | 2271.5 | 2216.1 | 2153.9 |
| 20°   | 2536.2 | 2529.3 | 2529.9 | 2523.0 | 2555.5 | 2567.3 | 2523.0 | 2491.9 | 2456.0 | 2405.5 | 2348.9 |
| 22.5° | 2870.1 | 2856.9 | 2823.1 | 2736.6 | 2697.3 | 2693.1 | 2666.8 | 2650.2 | 2622.6 | 2590.8 | 2534.1 |
| 25°   | 3305.6 | 3290.3 | 3223.3 | 3080.8 | 2963.4 | 2854.9 | 2806.5 | 2796.1 | 2778.1 | 2756.7 | 2715.8 |
| 27.5° | 3755.5 | 3738.9 | 3652.5 | 3472.8 | 3319.3 | 3100.2 | 2949.6 | 2935.8 | 2919.1 | 2910.1 | 2890.7 |
| 30°   | 4151.5 | 4133.6 | 4048.7 | 3866.1 | 3680.8 | 3419.6 | 3142.5 | 3094.0 | 3065.6 | 3068.4 | 3057.3 |
| 32.5° | 4499.3 | 4483.4 | 4388.0 | 4202.0 | 4014.0 | 3760.3 | 3392.5 | 3317.4 | 3253.8 | 3230.1 | 3238.5 |
| 35°   | 4791.0 | 4776.5 | 4672.2 | 4484.8 | 4295.3 | 4084.6 | 3714.8 | 3601.3 | 3497.7 | 3432.8 | 3425.1 |
| 37.5° | 4962.4 | 4954.2 | 4880.9 | 4721.9 | 4533.8 | 4379.0 | 4075.6 | 3949.8 | 3797.0 | 3702.3 | 3660.9 |
| 40°   | 4952.7 | 4961.7 | 4949.3 | 4877.3 | 4731.6 | 4618.8 | 4451.6 | 4327.1 | 4177.8 | 4036.9 | 3952.5 |
| 42.5° | 4811.7 | 4824.2 | 4880.1 | 4917.5 | 4878.1 | 4809.6 | 4779.9 | 4687.3 | 4553.1 | 4403.9 | 4287.2 |
| 45°   | 4618.1 | 4629.2 | 4701.8 | 4836.7 | 4949.3 | 4968.6 | 5067.5 | 5021.2 | 4907.8 | 4780.6 | 4652.1 |
| 47.5° | 4321.7 | 4343.0 | 4427.3 | 4641.7 | 4909.9 | 5096.5 | 5308.8 | 5330.2 | 5264.4 | 5159.4 | 5039.1 |
| 50°   | 3892.4 | 3920.7 | 4038.9 | 4343.8 | 4760.6 | 5227.9 | 5667.4 | 5749.1 | 5722.8 | 5616.4 | 5494.8 |
| 52.5° | 3452.7 | 3481.1 | 3638.7 | 3963.0 | 4520.0 | 5281.8 | 6020.7 | 6229.4 | 6380.1 | 6490.1 | 6511.5 |
| 55°   | 2995.2 | 3027.0 | 3199.8 | 3573.0 | 4199.2 | 5213.4 | 6273.0 | 6510.0 | 6662.9 | 6777.6 | 6824.0 |
| 57.5° | 2478.9 | 2514.7 | 2682.0 | 3059.4 | 3745.8 | 4938.3 | 6553.7 | 6889.6 | 7117.0 | 7294.0 | 7393.5 |
| 60°   | 1886.4 | 1931.4 | 2104.8 | 2485.0 | 3149.9 | 4411.4 | 6678.8 | 7175.8 | 7537.3 | 7802.8 | 7960.3 |
| 62.5° | 1195.9 | 1241.5 | 1421.8 | 1816.6 | 2471.9 | 3691.9 | 6324.8 | 7050.0 | 7666.6 | 8059.1 | 8348.0 |
| 65°   | 652.4  | 672.7  | 772.8  | 1070.1 | 1666.5 | 2864.5 | 5427.6 | 6282.7 | 7170.9 | 7727.4 | 8171.2 |
| 67.5° | 489.3  | 492.2  | 502.5  | 575.2  | 887.5  | 1934.1 | 4243.6 | 5026.7 | 6013.2 | 6729.3 | 7259.5 |
| 70°   | 428.6  | 428.6  | 430.0  | 430.6  | 481.9  | 1048.0 | 2874.8 | 3595.8 | 4500.0 | 5224.5 | 5883.2 |
| 72.5° | 384.4  | 380.3  | 378.7  | 370.6  | 377.4  | 537.0  | 1564.9 | 2212.6 | 2975.0 | 3788.1 | 4402.6 |
| 75°   | 331.8  | 331.1  | 331.1  | 322.9  | 327.0  | 378.0  | 678.8  | 1061.7 | 1652.7 | 2409.7 | 3014.5 |
| 77.5° | 286.9  | 282.0  | 282.7  | 277.8  | 291.1  | 289.7  | 322.1  | 437.6  | 719.6  | 1265.6 | 1767.5 |
| 80°   | 236.4  | 232.9  | 235.0  | 232.2  | 253.1  | 214.2  | 217.0  | 267.5  | 357.3  | 555.1  | 782.5  |
| 82.5° | 174.9  | 176.2  | 189.5  | 188.0  | 212.9  | 144.4  | 159.0  | 199.8  | 240.6  | 276.5  | 300.8  |
| 85°   | 102.2  | 104.4  | 136.2  | 143.1  | 156.2  | 76.0   | 97.5   | 118.8  | 134.0  | 148.6  | 154.9  |
| 87.5° | 11.0   | 14.6   | 76.0   | 78.2   | 69.8   | 22.7   | 39.3   | 49.8   | 53.2   | 56.8   | 49.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 67.5°  | 70°    | 72.5°   | 75°     | 77.5°   | 80°    | 85°    | 90°    | 95°    | 100°   | 102.5° |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 941.5  | 941.5  | 941.5   | 941.5   | 941.5   | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  | 941.5  |
| 2.5°  | 1014.0 | 1005.1 | 995.4   | 989.8   | 980.2   | 971.8  | 956.7  | 944.3  | 930.5  | 920.8  | 916.6  |
| 5°    | 1132.9 | 1111.6 | 1088.7  | 1072.0  | 1051.3  | 1033.4 | 998.8  | 957.4  | 944.3  | 916.6  | 909.7  |
| 7.5°  | 1287.8 | 1249.1 | 1210.3  | 1178.5  | 1142.6  | 1112.9 | 1054.8 | 980.2  | 970.4  | 926.2  | 916.6  |
| 10°   | 1469.5 | 1412.9 | 1355.5  | 1306.5  | 1253.9  | 1208.3 | 1122.6 | 1017.5 | 1007.1 | 950.4  | 940.7  |
| 12.5° | 1672.9 | 1603.7 | 1529.8  | 1456.4  | 1394.2  | 1329.9 | 1213.2 | 1075.6 | 1059.0 | 991.9  | 978.9  |
| 15°   | 1882.3 | 1807.6 | 1722.0  | 1633.4  | 1556.7  | 1471.7 | 1324.5 | 1151.5 | 1121.2 | 1042.5 | 1024.3 |
| 17.5° | 2088.9 | 2008.0 | 1918.2  | 1819.3  | 1729.4  | 1627.9 | 1444.7 | 1236.6 | 1184.1 | 1092.2 | 1069.3 |
| 20°   | 2288.7 | 2206.4 | 2111.7  | 2015.0  | 1903.0  | 1786.9 | 1567.7 | 1320.2 | 1240.1 | 1133.7 | 1103.8 |
| 22.5° | 2470.5 | 2400.0 | 2305.3  | 2194.0  | 2080.7  | 1950.0 | 1692.9 | 1404.0 | 1289.2 | 1165.5 | 1127.5 |
| 25°   | 2661.9 | 2597.7 | 2503.7  | 2396.6  | 2264.4  | 2119.3 | 1822.1 | 1483.5 | 1328.6 | 1182.7 | 1135.6 |
| 27.5° | 2855.5 | 2800.2 | 2711.8  | 2599.1  | 2457.4  | 2296.2 | 1953.5 | 1556.7 | 1360.4 | 1188.3 | 1131.5 |
| 30°   | 3062.2 | 3019.4 | 2937.7  | 2812.0  | 2668.9  | 2490.6 | 2096.6 | 1628.5 | 1380.4 | 1180.6 | 1112.9 |
| 32.5° | 3257.9 | 3256.4 | 3183.9  | 3053.2  | 2899.1  | 2702.7 | 2247.2 | 1701.1 | 1390.8 | 1159.3 | 1080.4 |
| 35°   | 3461.0 | 3489.3 | 3434.8  | 3310.3  | 3147.9  | 2930.2 | 2413.8 | 1778.6 | 1391.5 | 1121.2 | 1038.3 |
| 37.5° | 3691.9 | 3742.3 | 3718.2  | 3600.0  | 3429.3  | 3189.4 | 2609.4 | 1865.7 | 1387.3 | 1068.7 | 976.7  |
| 40°   | 3954.6 | 4023.7 | 4023.0  | 3923.4  | 3741.0  | 3479.8 | 2836.8 | 1963.2 | 1377.6 | 1003.0 | 904.1  |
| 42.5° | 4255.4 | 4337.6 | 4360.4  | 4262.2  | 4077.6  | 3797.0 | 3097.4 | 2070.2 | 1362.4 | 938.0  | 827.3  |
| 45°   | 4599.5 | 4672.2 | 4714.9  | 4623.8  | 4438.4  | 4142.7 | 3396.9 | 2192.0 | 1343.8 | 854.4  | 739.7  |
| 47.5° | 4967.9 | 5052.2 | 5116.6  | 5038.5  | 4840.7  | 4536.6 | 3751.3 | 2348.9 | 1336.9 | 759.0  | 645.0  |
| 50°   | 5424.9 | 5512.0 | 5650.9  | 5615.7  | 5507.1  | 5262.5 | 4501.3 | 2719.3 | 1339.6 | 668.3  | 565.5  |
| 52.5° | 6558.4 | 6758.3 | 6933.8  | 6855.8  | 6598.0  | 6178.4 | 5111.0 | 2925.3 | 1281.5 | 594.5  | 510.1  |
| 55°   | 6900.7 | 7127.4 | 7386.7  | 7354.2  | 7106.6  | 6683.6 | 5592.8 | 3097.4 | 1225.6 | 540.5  | 474.1  |
| 57.5° | 7499.3 | 7766.7 | 8129.0  | 8122.0  | 7818.7  | 7342.3 | 6212.9 | 3303.4 | 1201.4 | 509.5  | 456.2  |
| 60°   | 8133.2 | 8473.9 | 8974.3  | 9052.5  | 8722.8  | 8227.1 | 6945.5 | 3556.4 | 1204.8 | 492.2  | 445.9  |
| 62.5° | 8596.3 | 9096.1 | 9824.0  | 10057.6 | 9669.0  | 9122.9 | 7706.0 | 3809.4 | 1184.1 | 472.1  | 433.4  |
| 65°   | 8624.5 | 9344.2 | 10377.0 | 10740.6 | 10347.1 | 9645.6 | 7974.2 | 3759.6 | 1059.7 | 445.2  | 413.4  |
| 67.5° | 7933.4 | 8870.8 | 10125.2 | 10524.2 | 10121.8 | 9323.5 | 7504.1 | 3286.9 | 861.2  | 398.2  | 378.7  |
| 70°   | 6607.6 | 7695.6 | 8998.0  | 9442.4  | 9109.9  | 8301.7 | 6530.9 | 2625.3 | 643.5  | 336.0  | 327.0  |
| 72.5° | 5106.1 | 6121.0 | 7303.7  | 7715.0  | 7460.6  | 6750.0 | 5151.2 | 1913.4 | 459.7  | 272.4  | 265.4  |
| 75°   | 3650.4 | 4514.5 | 5373.0  | 5530.0  | 5279.0  | 4626.5 | 3342.1 | 1195.1 | 322.1  | 223.3  | 213.5  |
| 77.5° | 2260.3 | 2822.4 | 3130.7  | 2928.8  | 2608.8  | 2168.4 | 1360.4 | 590.4  | 214.2  | 181.7  | 172.1  |
| 80°   | 1003.0 | 1177.1 | 1099.0  | 979.5   | 773.5   | 635.9  | 415.5  | 261.9  | 138.2  | 140.3  | 134.7  |
| 82.5° | 337.4  | 356.6  | 347.0   | 344.9   | 311.1   | 272.4  | 176.2  | 113.4  | 77.4   | 89.9   | 87.8   |
| 85°   | 164.5  | 172.1  | 172.8   | 179.0   | 155.5   | 120.9  | 47.7   | 44.9   | 33.1   | 48.4   | 50.5   |
| 87.5° | 49.8   | 50.5   | 45.6    | 49.8    | 40.1    | 27.7   | 9.1    | 12.4   | 6.2    | 11.8   | 11.8   |
| 90°   | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 107.5° | 110°   | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  |
|-------|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°    | 941.5  | 941.5  | 941.5  | 941.5  | 941.5 | 941.5  | 941.5 | 941.5  | 941.5 | 941.5  | 941.5 |
| 2.5°  | 908.9  | 906.2  | 901.4  | 895.9  | 894.4 | 887.5  | 885.5 | 882.0  | 880.0 | 876.4  | 873.7 |
| 5°    | 900.7  | 895.9  | 890.3  | 884.1  | 884.1 | 874.4  | 870.3 | 866.1  | 866.1 | 859.9  | 857.2 |
| 7.5°  | 908.9  | 902.7  | 896.6  | 890.9  | 893.0 | 882.0  | 877.9 | 873.7  | 873.1 | 866.9  | 864.1 |
| 10°   | 932.5  | 926.2  | 918.6  | 913.1  | 911.1 | 902.1  | 897.2 | 890.9  | 886.8 | 882.8  | 878.5 |
| 12.5° | 968.5  | 960.2  | 950.4  | 938.6  | 933.9 | 926.2  | 918.6 | 910.3  | 900.7 | 896.6  | 890.3 |
| 15°   | 1011.3 | 997.5  | 984.4  | 969.8  | 956.7 | 949.1  | 938.6 | 925.6  | 912.5 | 906.8  | 898.7 |
| 17.5° | 1046.5 | 1032.1 | 1013.4 | 996.1  | 972.5 | 966.3  | 951.8 | 935.9  | 914.6 | 912.5  | 900.0 |
| 20°   | 1076.3 | 1054.2 | 1031.3 | 1010.7 | 974.7 | 971.2  | 953.2 | 934.5  | 904.1 | 904.1  | 889.0 |
| 22.5° | 1092.9 | 1062.4 | 1035.4 | 1007.8 | 963.0 | 960.2  | 939.4 | 917.3  | 880.0 | 881.3  | 862.6 |
| 25°   | 1095.7 | 1059.0 | 1025.1 | 991.9  | 940.0 | 935.2  | 908.9 | 884.8  | 844.0 | 841.3  | 821.9 |
| 27.5° | 1084.6 | 1041.8 | 1002.2 | 962.3  | 906.2 | 895.9  | 866.9 | 837.8  | 797.7 | 790.8  | 770.0 |
| 30°   | 1059.0 | 1008.4 | 964.3  | 918.0  | 859.1 | 842.6  | 812.2 | 782.5  | 741.7 | 732.7  | 713.3 |
| 32.5° | 1018.1 | 960.8  | 911.8  | 865.4  | 800.5 | 779.6  | 749.2 | 719.6  | 680.1 | 673.3  | 655.4 |
| 35°   | 964.3  | 900.0  | 848.2  | 799.1  | 734.0 | 712.6  | 683.6 | 657.4  | 621.4 | 618.7  | 606.3 |
| 37.5° | 896.6  | 829.5  | 774.2  | 727.2  | 665.6 | 654.7  | 625.0 | 605.5  | 575.9 | 578.6  | 572.3 |
| 40°   | 819.9  | 751.4  | 698.8  | 657.4  | 604.1 | 594.5  | 576.5 | 562.0  | 536.4 | 544.1  | 544.7 |
| 42.5° | 742.4  | 674.0  | 626.3  | 588.8  | 543.4 | 537.0  | 524.7 | 516.3  | 497.0 | 512.3  | 518.4 |
| 45°   | 654.7  | 591.1  | 550.2  | 521.8  | 488.0 | 488.0  | 481.9 | 481.1  | 467.9 | 489.3  | 495.7 |
| 47.5° | 569.5  | 519.8  | 491.5  | 474.1  | 450.7 | 461.8  | 459.7 | 465.2  | 455.5 | 477.7  | 483.2 |
| 50°   | 505.2  | 470.7  | 453.5  | 445.2  | 428.6 | 445.9  | 450.1 | 457.5  | 449.3 | 468.6  | 472.8 |
| 52.5° | 464.6  | 441.6  | 432.1  | 430.0  | 418.3 | 439.6  | 446.5 | 453.5  | 443.9 | 461.8  | 461.1 |
| 55°   | 441.6  | 426.4  | 423.0  | 427.1  | 418.3 | 438.9  | 445.9 | 450.7  | 442.3 | 454.8  | 454.2 |
| 57.5° | 433.4  | 425.1  | 427.1  | 433.4  | 427.1 | 444.5  | 448.0 | 453.5  | 445.2 | 450.7  | 453.5 |
| 60°   | 432.8  | 432.8  | 441.0  | 449.3  | 445.2 | 457.5  | 459.7 | 458.9  | 451.4 | 452.0  | 453.5 |
| 62.5° | 428.6  | 438.9  | 452.7  | 466.0  | 464.6 | 479.8  | 481.1 | 472.1  | 466.0 | 458.9  | 456.9 |
| 65°   | 415.5  | 432.8  | 452.7  | 470.7  | 473.4 | 497.0  | 499.7 | 490.7  | 486.6 | 474.8  | 466.0 |
| 67.5° | 386.5  | 408.5  | 432.1  | 454.2  | 458.9 | 490.7  | 497.0 | 500.4  | 502.5 | 495.0  | 483.2 |
| 70°   | 337.4  | 360.1  | 384.4  | 409.8  | 416.9 | 452.0  | 465.2 | 481.1  | 493.6 | 504.6  | 500.4 |
| 72.5° | 274.4  | 295.2  | 315.9  | 339.4  | 349.8 | 386.5  | 403.7 | 431.4  | 450.7 | 479.1  | 490.7 |
| 75°   | 217.7  | 230.1  | 242.6  | 257.2  | 265.4 | 301.4  | 322.9 | 356.0  | 382.3 | 421.7  | 448.0 |
| 77.5° | 171.4  | 177.7  | 183.9  | 190.1  | 193.6 | 213.5  | 230.9 | 264.0  | 294.5 | 344.2  | 382.9 |
| 80°   | 132.1  | 135.5  | 136.2  | 138.2  | 136.8 | 146.6  | 152.7 | 172.8  | 199.1 | 248.1  | 293.7 |
| 82.5° | 85.0   | 87.8   | 89.2   | 92.6   | 85.7  | 98.2   | 102.2 | 104.4  | 118.1 | 154.1  | 186.7 |
| 85°   | 47.7   | 48.4   | 49.0   | 50.5   | 40.9  | 53.2   | 53.9  | 50.5   | 49.0  | 63.6   | 71.9  |
| 87.5° | 11.8   | 11.0   | 11.8   | 11.8   | 4.9   | 11.0   | 11.0  | 7.5    | 5.5   | 10.4   | 8.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|       | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 941.5 | 941.5 | 941.5 | 941.5 | 941.5 | 941.5 |
| 2.5°  | 867.6 | 866.1 | 866.9 | 863.5 | 862.0 | 862.6 |
| 5°    | 853.7 | 851.0 | 851.0 | 848.9 | 846.1 | 846.1 |
| 7.5°  | 859.9 | 854.4 | 852.3 | 848.2 | 844.0 | 844.6 |
| 10°   | 869.6 | 859.9 | 853.0 | 846.7 | 841.9 | 841.9 |
| 12.5° | 875.8 | 858.5 | 848.2 | 839.8 | 834.3 | 834.3 |
| 15°   | 877.1 | 851.0 | 835.8 | 826.7 | 821.2 | 821.2 |
| 17.5° | 868.9 | 835.8 | 816.4 | 804.6 | 798.4 | 799.9 |
| 20°   | 848.2 | 807.3 | 784.6 | 772.2 | 765.9 | 766.7 |
| 22.5° | 815.8 | 768.7 | 742.4 | 727.8 | 721.7 | 721.7 |
| 25°   | 771.5 | 720.4 | 692.0 | 680.1 | 674.6 | 674.6 |
| 27.5° | 721.0 | 668.3 | 643.5 | 634.6 | 631.1 | 631.1 |
| 30°   | 664.2 | 620.6 | 602.8 | 596.6 | 591.1 | 591.1 |
| 32.5° | 616.5 | 585.4 | 579.2 | 571.0 | 556.4 | 555.7 |
| 35°   | 578.6 | 575.2 | 570.2 | 545.5 | 524.7 | 521.8 |
| 37.5° | 557.8 | 578.6 | 548.1 | 505.2 | 488.7 | 488.0 |
| 40°   | 546.8 | 566.1 | 513.7 | 492.9 | 490.7 | 490.7 |
| 42.5° | 520.5 | 534.3 | 511.6 | 499.7 | 499.7 | 500.4 |
| 45°   | 492.9 | 504.6 | 516.3 | 505.9 | 509.5 | 510.1 |
| 47.5° | 473.4 | 497.0 | 516.3 | 507.4 | 514.3 | 518.4 |
| 50°   | 455.5 | 490.0 | 505.9 | 505.9 | 513.7 | 514.3 |
| 52.5° | 451.4 | 480.5 | 496.4 | 503.9 | 504.6 | 501.2 |
| 55°   | 452.0 | 472.8 | 488.7 | 498.4 | 494.2 | 494.2 |
| 57.5° | 451.4 | 468.6 | 482.5 | 486.0 | 488.0 | 488.0 |
| 60°   | 452.0 | 463.2 | 474.1 | 472.8 | 479.8 | 479.8 |
| 62.5° | 454.2 | 455.5 | 461.1 | 459.7 | 470.1 | 470.1 |
| 65°   | 458.9 | 445.9 | 442.3 | 443.9 | 456.2 | 455.5 |
| 67.5° | 467.9 | 432.8 | 421.7 | 422.4 | 440.3 | 437.6 |
| 70°   | 481.1 | 414.7 | 398.2 | 393.9 | 424.4 | 419.6 |
| 72.5° | 485.3 | 393.9 | 367.8 | 363.6 | 381.6 | 367.8 |
| 75°   | 466.0 | 377.4 | 335.2 | 321.5 | 313.8 | 309.6 |
| 77.5° | 415.5 | 367.0 | 301.4 | 272.4 | 260.6 | 257.9 |
| 80°   | 344.2 | 345.6 | 257.2 | 222.6 | 258.5 | 257.9 |
| 82.5° | 259.9 | 298.6 | 206.0 | 192.9 | 187.3 | 156.2 |
| 85°   | 125.9 | 224.7 | 158.3 | 132.7 | 79.5  | 75.4  |
| 87.5° | 11.0  | 94.1  | 91.3  | 59.5  | 26.9  | 25.6  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)